Product Information

Noblyst® E39I

Palladium on silica fixed bed catalyst

PRODUCT DESCRIPTION

Noblyst® E39I is a palladium on silica catalyst custom designed for the selective hydrogenation of Acetylene to Ethylene within the Vinyl Chloride Monomer (VCM) production process.

Typical Properties

Property	Unit	Value
Appearance		Black granules
Bulk Density	kg/m^3	1400-1600
Particle Size	mm	3.0-5.6

The data represents typical values (no product specification)

TYPICAL APPLICATIONS

selective hydrogenation of acetylene to ethylene

Product Composition

Product Composition	Unit	Value
Palladium (Pd) Content	wt%	0.12

The data represents typical values (no product specification)

BENEFITS & ADVANTAGES

- hydrogenation step improves ethane dichloride selectivity and minimizes byproduct formation in the oxychlorination step
- optimized precious metal load
- superior chemical reactivity and ethylene selectivity
- long catalyst lifetime and very robust
- development of tailor-made catalysts in the context of an exclusive project possible
- full precious metal service loop

HANDLING & PROCESSING

No activation required

PACKAGING

Noblyst® E39I is supplied in 120 liter steel drums, net weight is approx. 160 kg

STORAGE

Drums should be stored in a dry place, not be exposed to direct sunlight and be protected from freezing

SHELF LIFE

Subject to the appropiate storage conditions, the shelf life of Noblyst® catalysts in sealed orginal drums is > 3 years from date of shipment.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH

Catalysts
Rodenbacher Chaussee 4
63457 Hanau
Germany
Phone +49 6181 59-13399
Fax +49 6181 59-2699
catalysts@evonik.com
evonik.click/catalysts